

**ASSEMBLY COMPRISING ADJUSTABLE HEAT FLUX MECHANISM
FOR THERMALLY ASSISTED/THERMAL INFORMATION
PROCESSING AND CONTROL**

ABSTRACT

The invention discloses an assembly comprising an adjustable heat flux mechanism suitable for thermally assisted information processing and control. In one embodiment, the assembly discloses a directed energy source for heating a media, a temperature sensing element for measuring/infering the temperature of the media, and a controller for mutually positioning the energy output by the directed energy source and the media for thereby controlling the power directed to the media in accordance with the temperature sensing element.